

Title (en)  
BRIDGE BEARING

Publication  
**EP 0022665 B1 19860219 (EN)**

Application  
**EP 80302352 A 19800710**

Priority  
GB 7924809 A 19790717

Abstract (en)  
[origin: EP0022665A1] A bridge bearing comprises a plurality of elements (1, 2, 3) each comprising at least one metal plate (4, 11, 20) at least one of the elements (2) having a layer of rubber (10) disposed between two of the metal plates (11), each metal plate (4, 11, 20) having a single recess (31, 32 or 33) of a shape which is acircular in plan view formed therein, the elements being arranged in a stack, each pair of adjacent metal plates of adjacent elements being restrained from relative rotation about a vertical axis by a key (40) located in the recesses of those plates, the layer(s) of rubber being for absorbing relative rotational movement about a horizontal axis between the top and bottom of the stack. The key or each of the keys and the recesses are preferably cruciform in the shape. If any key were omitted during assembly of the bearing the bearing would fail immediately upon attempted use. The bearing could not function satisfactorily for a short time before failing.

IPC 1-7  
**E01D 19/04**

IPC 8 full level  
**E01D 19/04** (2006.01); **E04B 1/36** (2006.01); **E01D 101/40** (2006.01)

CPC (source: EP)  
**E01D 19/041** (2013.01)

Cited by  
EP0107933A1; DE19543519A1; CN102094387A; US6770374B1; US7223457B1; US6790537B1

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